

FOREST FARM SPECIES SPECS

Persimmon *Diospyros virginiana*

- Avg. lifespan 60 years
- Avg. height at maturity 50-75'
- Avg. spread at maturity 35-50'

- ◆ Fruits produced year 6-8
- ◆ Harvestable yr. 10 (estimated 15-20 lbs. per tree)
- ◆ Max production yr. 25-50 (estimated 35-75 lbs. per tree)
- ◆ Bears fruit every two years (biennial)
- ◆ Need male/female of different varieties for best chance at pollination; have seen fruit produced from bare root seedlings planted in Frederick County

Paw Paw *Asimina triloba*

- Avg. lifespan 25 yrs.
- Avg. ht. at maturity 20-35'
- Avg. spread at maturity 10-20'

- ◆ Fruits produced yr. 5-7 (seedlings); 3-4 (grafted)
- ◆ Harvestable yr. 7-8
- ◆ Max production yr. 8-20+ (estimated 50-75 lbs. per grafted; 88 lbs improved cultivar "PA Golden" from Univ. of Mo.)
- ◆ Need M/F of different varieties for best chance at pollination; use of manure/carcass to draw flies (main insect pollinator), or hand pollination using artist's brush

Black Chokeberry *Aronia melanocarpa*

- Avg. lifespan 30+ yrs.
- Avg. ht. at maturity 5-10'
- Avg. spread at maturity 3-8'

- ◆ Fruits produced yr. 2-3
- ◆ Harvestable yr. 2-3 (estimated 2-4 lbs. per shrub)
- ◆ Max production yr. 5 (estimated 15-30 lbs. per shrub)
- ◆ Self pollinator but higher crop yield when planting two or more varieties

Allegheny Serviceberry *Amelanchier laevis*

- Avg. lifespan 30-40 yrs.
- Avg. ht. at maturity 15-25'
- Avg. spread at maturity 15-25'

- ◆ Fruits produced yr. 2-4
- ◆ Harvestable yr. 6-8
- ◆ Max production yr. 12+ (estimated 10 lbs. per tree for 20 yrs. on average) (can be productive 30-50 yrs)
- ◆ Only partly self fertile; to ensure cross pollination, have at least 2 within 50-75'

Common Elderberry *Sambucus nigra*

- Avg. lifespan 50 yrs as ornamental but full crop production life not known
- Avg. ht. at maturity 6-12'
- Avg. spread at maturity 6-12'

- ◆ Fruits produced yr. 2
- ◆ Harvestable yr. 3
- ◆ Max production yr. 3+
 - ◆ 908 plants/ac = 2-4 tons/ac (UMO/Byers)
 - ◆ 3-4 tons/ac (UKY)
 - ◆ 6x12 spacing = 4.4 lbs/shrub (Wilson, Vermont Ext.)
 - ◆ Flowers yield of 3 lbs/shrub (Wilson, Vermont Ext.)
 - ◆ Max of 7 lbs/shrub at 4x12 spacing; 3.5 lbs/shrub at 2x12 spacing (UMO; Vermont Ext.)
- ◆ Self pollinator but higher crop yield when planting two or more varieties

Hazelnut *Corylus americana*

- Avg. lifespan 30-40 yrs.
- Avg. ht. at maturity 10-15'
 - (shrub 8-12', tree 14-16' Cornell; 10-16' umn.edu; 10-26' plantvillagepsu.edu)
- Avg. spread at maturity 8-13' (umn.edu)

- ◆ Nuts produced and harvestable yr. 3-4
- ◆ Mature heavy yields beginning yr. 7-8
- ◆ Max production yr. 12-40+
 - ◆ 10-15 lbs cleaned seed from a mature shrub (NRCS)
 - ◆ 726 plants/ac produced 380 lbs/ac (midwesthazelnuts.org)
 - ◆ 108 plants/ac = Year 375 lbs/ac; Year 12 2,800 lbs/ac (Oregon State Univ.)
- ◆ Pollinated by wind; have had nuts produced on bare root seedlings in Anne Arundel County but potentially higher crop yield when planting two or more varieties

Wild American Plum *Prunus americana*

- Avg. lifespan 20 yrs
- Avg. ht. at maturity 15-30'
- Avg. spread at maturity 15-30'

- ◆ Fruits produced yr. 3
- ◆ Harvestable yr. 4-8
- ◆ Max production yr. 10 (estimated 100-150 lb per tree)
- ◆ Cross pollinator: need male/female of different varieties for best chance at pollination; have seen fruit produced from bare root seedlings planted in Frederick County

High Bush Blueberry *Vaccinium corymbosum*

- Avg. lifespan 40-50 yrs
- Avg. ht. at maturity 5-8'
- Avg. spread at maturity 5-8'

- ◆ Fruits produced yr. 3 (1/2 lb per shrub)
- ◆ Harvestable yr. 4-6 (estimated 1-2 lbs. per shrub)
- ◆ Max production yr. 8-10 (estimated 5-15 lbs. per tree)
- ◆ Nelson and Legacy varieties highly self fertile; cross pollination increases seed set and fruit size